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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/982,770	10/22/2001	Toshikatsu Furunaga	Q66716	8733

7590

10/08/2002

SUGHRUE MION ZINN MACPEAK & SEAS, PLLC
2100 Pennsylvania Avenue, NW
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EXAMINER

RAJGURU, UMAKANT K

ART UNIT	PAPER NUMBER
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1711

DATE MAILED: 10/08/2002

6

Please find below and/or attached an Office communication concerning this application or proceeding.

TC-6

Office Action Summary

Application No.

Applicant(s)

Examiner

Group Art Unit

—The MAILING DATE of this communication appears on the cover sheet beneath the correspondence address—

Period for Response

A SHORTENED STATUTORY PERIOD FOR RESPONSE IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a response be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for response specified above is less than thirty (30) days, a response within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for response is specified above, such period shall, by default, expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to respond within the set or extended period for response will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

Status

- ☒ Responsive to communication(s) filed on Jul 08, 2002 (paper no 5)
- ☐ This action is **FINAL**.
- ☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

- ☒ Claim(s) 17-19 is/are pending in the application.
- ☐ Of the above claim(s) is/are withdrawn from consideration.
- ☐ Claim(s) is/are allowed.
- ☒ Claim(s) 17-19 is/are rejected.
- ☐ Claim(s) is/are objected to.
- ☐ Claim(s) are subject to restriction or election requirement.

Application Papers

- ☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.
- ☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.
- ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.
- ☐ The specification is objected to by the Examiner.
- ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119 (a)-(d)

- ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- ☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been received.
- ☐ received in Application No. (Series Code/Serial Number) _____.
- ☐ received in this national stage application from the International Bureau (PCT Rule 1.7.2(a)).

*Certified copies not received: _____

Attachment(s)

- ☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____
- ☒ Notice of References Cited, PTO-892
- ☐ Notice of Draftsperson's Patent Drawing Review, PTO-948
- ☐ Interview Summary, PTO-413
- ☐ Notice of Informal Patent Application, PTO-152
- ☐ Other _____

Office Action Summary

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1. A response (paper no. 5) has been filed on July 08, 2002.
2. Claims being examined are still 17-19.
3. Following persuasive arguments from the applicants, rejection of above claims 17-19 under 25 USC 103(a) (see earlier office action paper no. 4) is now withdrawn.
4. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
5. Claims 17-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over JP 10119425 in view of Yoshimura et al (USP 6171381).

(JP' 425 has been earlier cited on office action).

WKR

Disclosure of JP' 425 is summarized in office action paper no. 4 item 3).

JP' 425 does not mention (claimed) polysaccharide as a suitable water-soluble polymer of the composition.

Yoshimura describes on aqueous metallic ink composition comprising a metallic powder, pigment, a colorant, water, a water-soluble organic solvent, a natural polysaccharide and a water-soluble soy polysaccharide or/water-soluble polysaccharide derivatives (col. 1, lines 3-10).

Patentee discloses in col. 2, lines 23-27, that the polysaccharide functions as a coating or size for a substrate such as paper. Preparation of polysaccharide is described in col. 6, line 60 to col. 7, line 59 and the available polysaccharides which are disclosed in col. 7, lines 40-42 are mentioned in instant specification. Surfactant is mentioned in col. 11, line 66.

It would have been obvious to add to the composition of JP '425, the polysaccharide of Yoshimura with the expectation of (a) improving resistance of the composition (as a size) to water (b) to maintain the density of color by minimizing penetration of colorant particles into


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substrate such as paper and © to enhance stability of viscosity. It would also have been obvious to add surfactant for improving wetting.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to U.K. Rajguru whose telephone number is 703-308-3224. The examiner can normally be reached on Monday-Friday from 9:30 am to 6:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James J. Seidleck can be reached on 703-308-2462. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9310 for regular communications and 703-872-9311 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0661.


U.K. Rajguru/mn
October 3, 2002


James J. Seidleck
Supervisory Patent Examiner
Technology Center 1700